**Linux Capsule and subscription Details and implementation**

We need to make sure server relates to the correct capsule to communicate with the satellite.

Below are the eight Capsules we are using in HCSC. 4 for Legacy+Aws and 4 for Azure

**Capsules details –**

For **Legacy/AWS** use below Capsules

dwauslsatc01.app.dev.hcscint.net - Dev

twauslsatc01.app.test.hcscint.net - Test

awauslsatc01.app.alt.hcscint.net - Alt-Prod

pwauslsatc01.app.hcscint.net - Prod

**For Azure use below Capsules –**

taznslsatc01.app.test.hcscint.net - **north-central** non-Prod - test/Alt-Prod/Dev

tazsslsatc01.app.test.hcscint.net - **south-central** non-Prod -test/Alt-Prod/Dev

paznslsatc01.app.hcscint.net - **north-central** Production

pazsslsatc01.app.hcscint.net - **south central** Production

use above capsules to create below command.

yum install https://**<Capsule FQDN>**/pub/katello-ca-consumer-latest.noarch.rpm

example –

yum install https:// taznslsatc01.app.test.hcscint.net /pub/katello-ca-consumer-latest.noarch.rpm

you can try with both http or https also

**During the Patching/Activity --:**

**Step One** –

Validate and install the latest Katello package before moving ahead for a patching using above Capsule as per your server location and environment.

* **Unregister the server**

[root@twausldnapp05 ~]# **subscription-manager unregister**

Unregistering from: twauslsatc01.app.test.hcscint.net:8443/rhsm

System has been unregistered.

[root@twausldnapp05 ~]#

* Check for the current Katello package and uninstall it

[root@twausldnapp05 ~]# **rpm -qa | grep katello-ca-consumer**

katello-ca-consumer-twauslsatc01.app.test.hcscint.net-1.0-2.noarch

[root@twausldnapp05 ~]# **rpm -e katello-ca-consumer-twauslsatc01.app.test.hcscint.net-1.0-2.noarch**

[root@twausldnapp05 ~]# **rpm -qa | grep katello-ca-consumer**

[root@twausldnapp05 ~]# **subscription-manager clean**

* Install the latest Katello package using the correct Capsule server from list provided above.

[root@twausldnapp05 ~]# **yum install https://** **paznslsatc01.app.hcscint.net /pub/katello-ca-consumer-latest.noarch.rpm**

Loaded plugins: enabled\_repos\_upload, langpacks, package\_upload, product-id, search-disabled-repos, subscription-manager

This system is not registered with an entitlement server. You can use subscription-manager to register.

katello-ca-consumer-latest.noarch.rpm | 31 kB 00:00:00

Examining /var/tmp/yum-root-PD1rgx/katello-ca-consumer-latest.noarch.rpm: katello-ca-consumer-twauslsatc01.app.test.hcscint.net-1.0-8.noarch

Marking /var/tmp/yum-root-PD1rgx/katello-ca-consumer-latest.noarch.rpm to be installed

Resolving Dependencies

--> Running transaction check

---> Package katello-ca-consumer-twauslsatc01.app.test.hcscint.net.noarch 0:1.0-8 will be installed

--> Finished Dependency Resolution

HDP-2.6-repo-102 | 2.9 kB 00:00:00

HDP-UTILS-1.1.0.21-repo-102 | 2.9 kB 00:00:00

Dependencies Resolved

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Package Arch Version Repository Size

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Installing:

katello-ca-consumer-twauslsatc01.app.test.hcscint.net noarch 1.0-8 /katello-ca-consumer-latest.noarch 64 k

Transaction Summary

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Install 1 Package

Total size: 64 k

Installed size: 64 k

Is this ok [y/d/N]:y

[root@twausldnapp05 ~]# **rpm -qa | grep katello-ca-consumer**

katello-ca-consumer-twauslsatc01.app.test.hcscint.net-1.0-8.noarch

[root@twausldnapp05 ~]#

* Set the CORRECT subscription key from the below list making sure it is cloud or legacy.

Note – AWS server falls under legacy category

Check the current Os version and use the correct subscription key

[root@twausldnapp05 ~]# **subscription-manager clean**

[root@twausldnapp05 ~]# **yum clean all**

[root@twausldnapp05 ~]# **subscription-manager register --org="Health\_Care\_Service\_Corporation" --activationkey="**ak-rhel7-cld-os-prod**"**

The system has been registered with ID: 692a3fcc-60f9-453e-8f48-08c00c07f3e0

The registered system name is: twausldnapp05.app.test.hcscint.net

[root@twausldnapp05 ~]#

[root@twausldnapp05 ~]# **subscription-manager refresh**

All local data refreshed

[root@twausldnapp05 ~]# **yum clean all**

Loaded plugins: enabled\_repos\_upload, langpacks, package\_upload, product-id, search-disabled-repos, subscription-manager

Cleaning repos: HDP-2.6-repo-102 HDP-UTILS-1.1.0.21-repo-102 rhel-7-server-extras-rpms rhel-7-server-optional-rpms rhel-7-server-rh-common-rpms

: rhel-7-server-rpms rhel-7-server-supplementary-rpms

Other repos take up 66 M of disk space (use --verbose for details)

Uploading Enabled Repositories Report

Loaded plugins: langpacks, product-id, subscription-manager

[root@twausldnapp05 ~]#

[root@twausldnapp05 ~]# **rm -rf /var/cache/yum/\***

[root@twausldnapp05 ~]#

**#yum repolist**

**# yum update --exclude=java\* -y -- for Hadoop server only**

**And in all other cases other cases**

**#yum update -y**

**Keys Details ->>**

RHEL7:

**For the current release of the os (which should be adequate for most servers):**

|  |  |
| --- | --- |
| ak-rhel7-cld-os-altprod | for cloud hosts in the altprod env |
| ak-rhel7-cld-os-dev | for cloud hosts in the dev env |
| ak-rhel7-cld-os-test | for cloud hosts in the test env |
| ak-rhel7-cld-os-prod | for cloud hosts in the test env |
| ak-rhel7-leg-os-altprod | for legacy hosts in the altprod env |
| ak-rhel7-leg-os-dev | for legacy hosts in the dev env |
| ak-rhel7-leg-os-test | for legacy hosts in the test env |
| ak-rhel7-leg-os-prod | for legacy hosts in the prod env |

RHEL8:

**For the current release of the os (which should be adequate for most servers):**

|  |  |
| --- | --- |
| ak-rhel8-cld-os-altprod | for cloud hosts in the altprod env |
| ak-rhel8-cld-os-dev | for cloud hosts in the dev env |
| ak-rhel8-cld-os-test | for cloud hosts in the test env |
| ak-rhel8-cld-os-prod | for cloud hosts in the test env |
| ak-rhel8-leg-os-altprod | for legacy hosts in the altprod env |
| ak-rhel8-leg-os-dev | for legacy hosts in the dev env |
| ak-rhel8-leg-os-test | for legacy hosts in the test env |
| ak-rhel8-leg-os-prod | for legacy hosts in the prod env |

**For older or fixed releases use the point release in place of the 8 in RHEL8.**

**E.g. (this is an exampled specific to RHEL 8.5):**

|  |  |
| --- | --- |
| ak-rhel8.5-cld-os-altprod | for cloud hosts in the altprod env |
| ak-rhel8.5-cld-os-dev | for cloud hosts in the dev env |
| ak-rhel8.8-cld-os-test | for cloud hosts in the test env |
| ak-rhel8.8-cld-os-prod | for cloud hosts in the test env |
| ak-rhel8.5-leg-os-altprod | for legacy hosts in the altprod env |
| ak-rhel8.5-leg-os-dev | for legacy hosts in the dev env |
| ak-rhel8.5-leg-os-test | for legacy hosts in the test env |
| ak-rhel8.5-leg-os-prod | for legacy hosts in the prod env |

***Troubleshooting –***

**Case One**

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*In case if yum install failed use below local yum install option –*

*#cd /tmp*

*#wget -O katello-ca-consumer-latest.noarch.rpm http://* *paznslsatc01.app.hcscint.net/pub/katello-ca-consumer-latest.noarch.rpm*

*->Then do a localinstall on the pkg:*

*#yum localinstall katello-ca-consumer-latest.noarch.rpm*

*dwausldspoc002 has had the pkg successfully installed you can proceed from there.*

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***Case two***

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If you getting proxy error

[root@paznsl59dap14 tmp]# wget -O katello-ca-consumer-latest.noarch.rpm <http://paznslsatc01.app.hcscint.net/pub/katello-ca-consumer-latest.noarch.rpm>  
--2024-06-26 11:33:36--  <http://paznslsatc01.app.hcscint.net/pub/katello-ca-consumer-latest.noarch.rpm>  
Resolving bcilproxy.hcscint.net (bcilproxy.hcscint.net)... 10.139.240.156  
Connecting to bcilproxy.hcscint.net (bcilproxy.hcscint.net)|10.139.240.156|:8098... connected.  
Proxy request sent, awaiting response... 403 Forbidden  
2024-06-26 11:33:36 ERROR 403: Forbidden.

**Solution unset the proxy and try again –**

[root@paznsl59dap14 ~]# env | grep -i proxy  
http\_proxy=bcilproxy.hcscint.net:8098  
https\_proxy=bcilproxy.hcscint.net:8098  
HTTPS\_PROXY=bcilproxy.hcscint.net:8098  
HTTP\_PROXY=bcilproxy.hcscint.net:8098  
[root@paznsl59dap14 ~]#

[root@paznsl59dap14 ~]# unset http\_proxy

[root@paznsl59dap14 ~]# unset https\_proxy

[root@paznsl59dap14 ~]# unset HTTPS\_PROXY

[root@paznsl59dap14 ~]# unset HTTP\_PROXY

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